

Converting Colors

$Y_{xy}(22.3893, 0.1818, 0.1528)$

Have a look what the booklet for
Yxy(22.3893, 0.1818, 0.1528)
contains.

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Color

Yxy(22.3391, 0.1818, 0.1525)

Conversions

Conversions Part 1

Format	Color
Hex	337CFF
RGB	51, 124, 255
RGB Percent	20%, 49%, 100%
CMY	0.7991, 0.5138, 0.0000
CMYK	0.80, 0.51, 0.00, 0.00
HSL	219°, 100%, 60%
HSV	219°, 80%, 100%
XYZ	26.6311, 22.3391, 97.5157
YIQ	117.1070, -85.5590, 25.2650

Conversions

Conversions Part 2

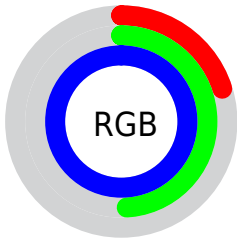
Format	Color
R _Y B	51, 105, 255
Decimal	3374335
CIE Lab	54.38, 23.80, -71.43
CIE LCh	54, 75.289, 288.426
Yxy	22.3391, 0.1818, 0.1525
Android (android.graphics.Color)	4281564415 (0xFF337CFF)
YUV	117.1070, 67.9812, -57.9758
Hunter-Lab	47.2643, 17.8637, -89.2422

Details

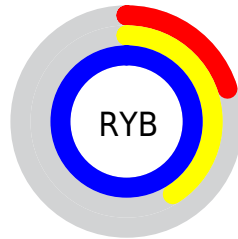
The Yxy color **22.3391, 0.1818, 0.1525** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **55.0648, 0.4713, 0.4427**, and the grayscale version is **17.6486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8599, 0.2284, 0.2305**, and **9.2001, 0.1671, 0.1214** is the 20% darker color. If you saturate the color by 10%, you get **18.0730, 0.1715, 0.1303**, and if you desaturate by 10%, it is **27.6528, 0.1950, 0.1767**.

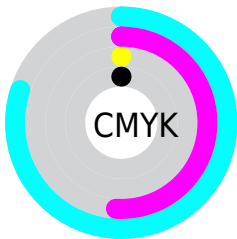
Distribution



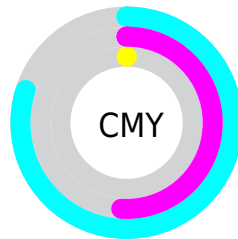
- Red (20%)
- Green (49%)
- Blue (100%)



- Red (20%)
- Yellow (41%)
- Blue (100%)



- Cyan (80%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.3391, 0.1818, 0.1525 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 22.3391, 0.1818, 0.1525 by changing the saturation by 10% instead.

■ 22.3391, 0.1818,
0.1525

■ 22.3391, 0.1818,
0.1525

264.3121, 0.2492,
0.2369

■ 14.1063, 0.1658,
0.1341

■ 47.3058, 0.2060,
0.1814

■ 8.1946, 0.1461,
0.1125

■ 64.8085, 0.2152,
0.1928

■ 4.2197, 0.1219,
0.0873

■ 86.1699, 0.2231,
0.2027

■ 1.7972, 0.0926,
0.0590

■ 111.7745, 0.2298,
0.2113

■ 0.4854, 0.0587,
0.0269

142.0066, 0.2356,
0.2189

■ 0.0000, 0.0000,
0.0000

177.2506, 0.2407,

0.2256

217.8910, 0.2452,
0.2316

■ 22.3391, 0.1818,
0.1525

■ 22.3391, 0.1818,
0.1525

■ 18.0730, 0.1715,
0.1303

■ 27.6528, 0.1950,
0.1767

■ 14.7351, 0.1642,
0.1109

■ 34.0955, 0.2105,
0.2018

■ 14.7071, 0.1641,
0.1107

■ 41.7410, 0.2276,
0.2267

■ 50.6548, 0.2453,
0.2508

■ 60.8976, 0.2632,
0.2733

■ 72.5254, 0.2806,
0.2940

■ 85.5910, 0.2973,
0.3126

100.0000, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



22.3391, 0.1286, 0.1577



22.3391, 0.1818, 0.1525



22.3391, 0.2805, 0.1771

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



22.3391, 0.1818, 0.1525



22.3391, 0.5626, 0.3746



22.3391, 0.1923, 0.4667

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



22.3391, 0.1818, 0.1525



55.0648, 0.4713, 0.4427

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



22.3391, 0.2959, 0.5764



22.3391, 0.1818, 0.1525



22.3391, 0.5078, 0.4618

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



22.3391, 0.1818, 0.1525



22.3391, 0.5337, 0.2978



22.3391, 0.4088, 0.5495



22.3391, 0.1292, 0.3041

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



22.3391, 0.1818, 0.1525



22.3391, 0.3700, 0.2088



22.3391, 0.4088, 0.5495



22.3391, 0.2238, 0.5172

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



22.3397, 0.1818, 0.1525



67.5939, 0.2736, 0.2857



75.5371, 0.2573, 0.4281



13.5906, 0.2673, 0.2783



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.3397, 0.1818, 0.1525



15.9442, 0.1668, 0.1181



11.2457, 0.1734, 0.0870



18.4388, 0.2979, 0.3133



7.9398, 0.1649, 0.1137



0.9705, 0.1712, 0.1362

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



25.1033, 0.4972, 0.2709



22.3555, 0.5486, 0.2817



88.2277, 0.3945, 0.5096



18.0942, 0.3238, 0.3205



11.5295, 0.5556, 0.2834



1.1425, 0.5242, 0.2662

Previews

White Background



This preview shows how the Yxy color 22.3391, 0.1818, 0.1525 looks on a white background.

Color Contrast Check

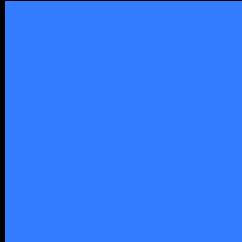
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 22.3391, 0.1818, 0.1525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

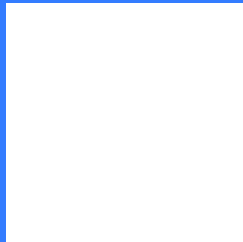
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.3391, 0.1818, 0.1525

Background



This preview shows how black text looks on a background with the Yxy color 22.3391, 0.1818, 0.1525.



This preview shows how white text looks on a background with the Yxy color 22.3391, 0.1818, 0.1525.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

22.3391, 0.1818, 0.1525

Protanopia

22.4451, 0.1807, 0.1533

Deuteranopia

22.1597, 0.1839, 0.1820



Tritanopia

21.9448, 0.2191, 0.3088

Trichromacy



Original Color

22.3391, 0.1818, 0.1525

Protanomaly

22.4916, 0.1811, 0.1534

Deuteranomaly

22.0120, 0.1819, 0.1700

Tritanomaly

21.4645, 0.2002, 0.2340

Monochromacy



Original Color

22.3391, 0.1818, 0.1525

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.5501, 0.2398, 0.2443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3391, 0.1818, 0.1525 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(51, 124, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 124, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(51, 124, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 124, 255) }
```

Border

The CSS property to change the border of an element to Yxy 22.3391, 0.1818, 0.1525 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(51, 124, 255) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(51, 124, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(51, 124, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 124, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 124, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 124,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3391, 0.1818, 0.1525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 124, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(51, 124,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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